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By: Printed: Ted Martinez

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Hillman et al.

Title: CALCIUM-BINDING PROTEIN

Serial No.: To Be Assigned

Filing Date:

Herewith

Examiner: To Be Assigned

Group Art Unit:

To Be Assigned

**Official Draftsman**

Commissioner for Patents

Washington, D.C. 20231

**SUBMISSION OF FORMAL DRAWINGS**

Sir:

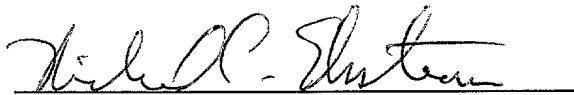
Transmitted herewith are Figures 1A, 1B, 1C, 2A, 2B, 3A, and 3B, as six (6) sheets of formal drawings for this application. Each sheet of drawing indicates the identifying indicia suggested in 37 CFR Section 1.84(c) on the reverse side of the drawings.

Applicants believe that no fee is due with this paper. However, if the Commissioner determines that a fee is necessary, the Commissioner is hereby authorized to charge any additional fees associated with this communication or credit any overpayment to Deposit Account No. **09-0108**. **A duplicate copy of this communication is enclosed.**

If there are any questions regarding the above, the Examiner is invited to call the undersigned at 650-855-0555.

Respectfully submitted,

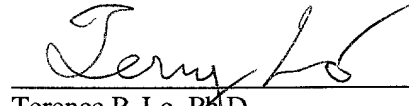
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Date: 23 January 2001

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| 5'  | 9   | 18  | 27  | 36  | 45  | 54  |     |     |     |     |     |     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| GGG | GAG | CGG | ANG | NAN | TGG | NAT | AAC | AGG | GGA | CCG | ATG | ATG | ATG | TGG | CGA | CCA | TCA | GTT |
|     |     |     |     |     |     |     |     |     |     |     | M   | M   | M   | W   | R   | P   | S   | V   |
| CTG | CTG | CTT | CTG | TTG | CTA | CTG | AGG | CAC | GGG | GCC | CAG | GGG | AAG | CCA | CCA | TCC | CCA | GAC |
| L   | L   | L   | L   | L   | L   | L   | R   | H   | G   | A   | Q   | G   | K   | P   | P   | S   | P   | D   |
|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 117 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| GCA | GGC | CCT | CAT | GGC | CAG | GGG | AGG | GTG | CAC | CAG | GCG | GCC | CCC | CTG | AGC | GAC | GAC | GCT |
| A   | G   | P   | H   | G   | Q   | G   | R   | V   | H   | Q   | A   | A   | P   | L   | S   | D   | A   |     |
|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 171 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| CCC | CAT | GAT | GAC | GCC | CAC | GGG | AAC | TTC | CAG | TAC | GAC | CAT | GAG | GCT | TTC | CTG | GGA |     |
| P   | H   | D   | D   | A   | H   | G   | N   | F   | Q   | Y   | D   | H   | E   | A   | F   | L   | G   |     |
|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 225 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| CGG | GAA | GTG | GCC | AAG | GAA | TTC | GAC | CAA | CTC | ACC | CCA | GAG | GAA | AGC | CAG | GCC | CGT |     |
| R   | E   | V   | A   | K   | E   | F   | D   | Q   | L   | T   | P   | E   | E   | S   | Q   | A   | R   |     |
|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 279 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| CTG | GGG | CGG | ATC | GTG | GAC | CGC | ATG | GAC | CGC | GCG | GGG | GAC | GGC | GAC | GGC | TGG | GTG |     |
| L   | G   | R   | I   | V   | D   | R   | M   | D   | R   | A   | G   | D   | G   | D   | G   | W   | V   |     |
|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 333 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| TCG | CTG | GCC | GAG | CTT | CGC | GCG | TGG | ATC | GCG | CAC | ACG | CAG | CAG | CGG | CAC | ATA | CGG |     |
| S   | L   | A   | E   | L   | R   | A   | W   | I   | A   | H   | T   | Q   | Q   | R   | H   | I   | R   |     |

FIGURE 1A

|   |     |     |     |     |     |
|---|-----|-----|-----|-----|-----|
| 387   | 396 | 405 | 414 | 423 | 432 |
| GAC TCG GTG AGC GCG GCC TGG GAC ACG TAC GAC ACG GAC CGG CGT GTG         |     |     |     |     |     |
| D S V S A A W D T Y D T D R D G R V                                     |     |     |     |     |     |
| 441   | 450 | 459 | 468 | 477 | 486 |
| GGT TGG GAG GAG CTG CGC AAC GCC ACC TAT GGC CAC TAC GCG CCC GGT GAA GAA |     |     |     |     |     |
| G W E E L R N A T Y G H Y A P G E E                                     |     |     |     |     |     |
| 495   | 504 | 513 | 522 | 531 | 540 |
| TTT CAT GAC GTG GAG GAT GCA GAG ACC TAC AAA AAG ATG CTG GCT CGG GAC GAG |     |     |     |     |     |
| F H D V E D A E T Y K K M L A R D E                                     |     |     |     |     |     |
| 549   | 558 | 567 | 576 | 585 | 594 |
| CGG CGT TTC CGG GTG GCC GAC CAG GAT GGG GAC TCG ATG GCC ACT CGA GAG GAG |     |     |     |     |     |
| R R F R R V A D Q D G D S M A T R E E                                   |     |     |     |     |     |
| 603   | 612 | 621 | 630 | 639 | 648 |
| CTG ACA GCC TTC CTG CAC CCC GAG GAG TTC CCT CAC ATG CGG GAC ATC GTG ATT |     |     |     |     |     |
| L T A F L H P E E F P H M R D I V I                                     |     |     |     |     |     |
| 657   | 666 | 675 | 684 | 693 | 702 |
| GCT GAA ACC CTG GAG GAC CTG GAC AGA AAC AAA GAT GGC TAT GTC CAG GTG GAG |     |     |     |     |     |
| A E T L L E D L D R N K D G Y V Q V E                                   |     |     |     |     |     |

FIGURE 1B

|                                       |   |      |      |      |      |
|---------------------------------------|---|------|------|------|------|
| 711                                   | GAG TAC ATC GCG GAT CTG TAC TCA GCC GAG CCT GGG GAG GAG GAG CCG GCG TGG | 729  | 738  | 747  | 756  |
| E Y I A D L Y S A E P G E E P A W     |   |      |      |      |      |
| 765                                   | GTG CAG ACG GAG AGG CAG CAG TTC CGG GAC TTC CGG GAT CTG AAC AAG GAT GGG | 783  | 792  | 801  | 810  |
| V Q T E R Q Q F R D F R D L N K D G   |   |      |      |      |      |
| 819                                   | CAC CTG GAT GGG AGT GAG GTG GGC CAC TGG GTG CTG CCC CCT GCC CAG GAC CAG | 837  | 846  | 855  | 864  |
| H L D G S E V G H W V L P P A Q Q     |   |      |      |      |      |
| 873                                   | CCC CTG GTG GAA GCC AAC CAC CTG CTG CAC GAG AGC GAC AAC GAT GGG         | 891  | 900  | 909  | 918  |
| P L V E A N H L L L H E S D T D K D G |   |      |      |      |      |
| 927                                   | CGG CTG AGC AAA GCG GAA ATC CTG GGT AAT TGG AAC ATG TTT GTG GGC AGT CAG | 945  | 954  | 963  | 972  |
| R L S K A E I L L G N W N M F G S Q   |   |      |      |      |      |
| 981                                   | GCC ACC AAC TAT GGC GAG GAC CTG ACC CGG CAC CAC GAT GAG CTG TGA GCA CCG | 999  | 1008 | 1017 | 1026 |
| A T N Y G E D L T R H D E L           |   |      |      |      |      |
| 1035                                  | CGC ACC TGC CAC AGC CTC AGA GGC CCG CA 3'                               | 1044 | 1053 |      |      |

FIGURE 1C

**FIGURE 2A**

|     |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |         |         |            |
|-----|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---------|---------|------------|
| 195 | E | E | F | P | H | M | R | D | I | V | I | A | E | T | L | E | D | L | D | R | N | K | D | G | Y | V | Q | V | E | E | I | A | D | L | Y | S | A | E | P       | 2509570 |            |
| 198 | E | E | F | E | H | M | K | E | I | V | V | L | E | T | L | E | D | I | D | K | N | G | D | G | F | V | D | Q | D | E | Y | I | A | D | M | F | S | H | E       | E       | GI 1262329 |
| 192 | E | E | F | E | H | M | K | E | I | V | V | L | E | T | L | E | D | I | D | K | N | G | D | G | F | V | D | Q | D | E | Y | I | A | D | M | F | S | H | E       | D       | GI 220582  |
| 235 | G | E | E | P | A | W | V | Q | T | E | R | Q | Q | F | R | D | F | R | D | L | N | K | D | G | H | L | D | G | S | E | V | G | H | W | V | L | P | A | 2509570 |         |            |
| 238 | N | G | P | E | P | D | W | V | L | S | E | R | E | Q | F | N | E | F | R | D | L | N | K | D | G | K | L | D | K | D | E | I | R | H | W | I | L | P | Q       | D       | GI 1262329 |
| 232 | N | G | P | E | P | D | W | V | L | S | E | R | E | Q | F | N | D | F | R | D | L | N | K | D | G | K | L | D | K | D | E | I | R | H | W | I | L | P | Q       | D       | GI 220582  |
| 275 | Q | D | O | P | L | V | E | A | N | H | L | L | H | E | S | D | T | D | K | D | G | R | L | S | K | A | E | I | L | G | N | W | N | M | F | V | G | S | Q       | A       | 2509570    |
| 278 | Y | D | H | A | Q | A | E | A | R | H | L | V | Y | E | S | D | K | N | K | D | E | K | L | T | K | E | E | I | L | E | N | W | N | M | F | V | G | S | Q       | A       | GI 1262329 |
| 272 | Y | D | H | A | Q | A | E | A | R | H | L | V | Y | E | S | D | K | N | K | D | E | M | L | T | K | E | E | I | L | D | N | W | N | M | F | V | G | S | Q       | A       | GI 220582  |
| 315 | T | N | Y | G | E | D | L | T | R | H | H | D | E | L |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |         |         | 2509570    |
| 318 | T | N | Y | G | E | D | L | T | K | N | H | D | E | L |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |         |         | GI 1262329 |
| 312 | T | N | Y | G | E | D | L | T | K | N | H | D | E | L |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |         |         | GI 220582  |

FIGURE 2B

0403060

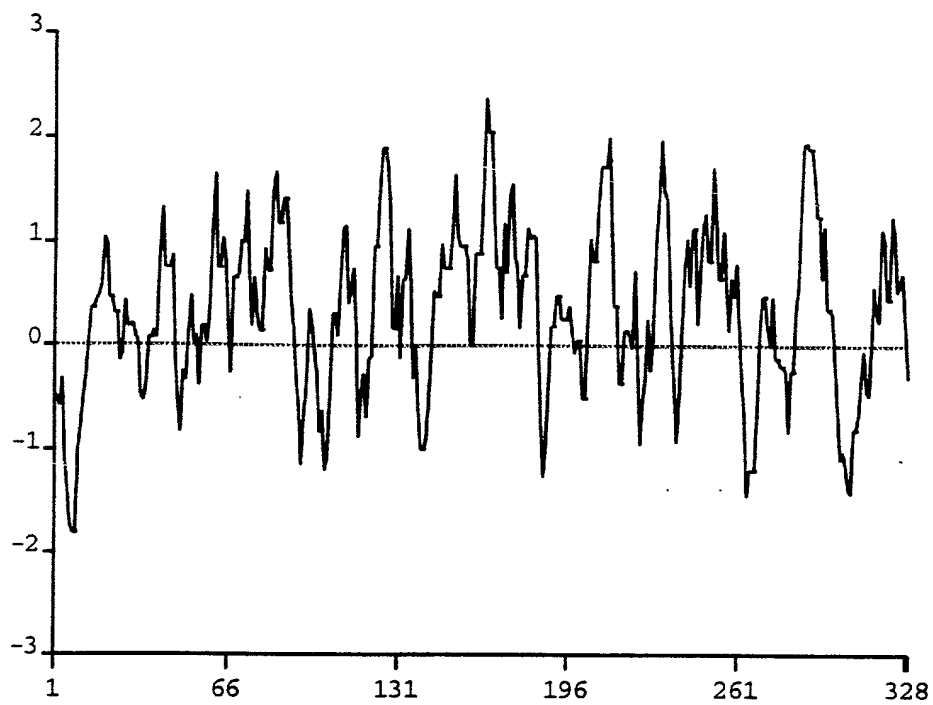


FIGURE 3A

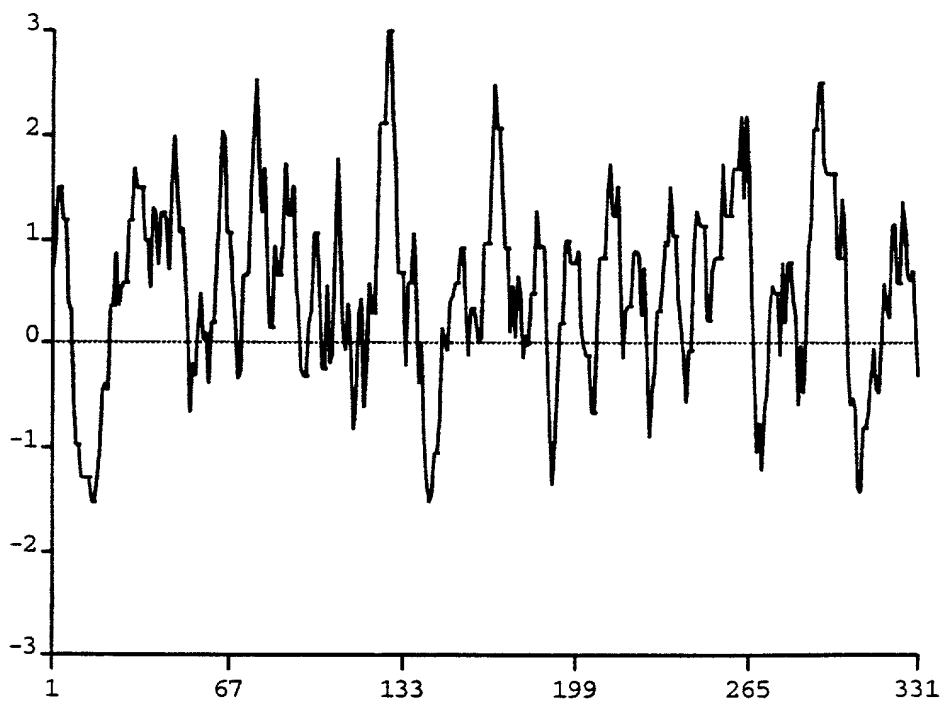


FIGURE 3B